Wicomico STI Task Force

A Community Collaboration

James A. Cockey, MD, FACP – Deputy Health Officer, WiCHD

Chavonda Carr, MS, MEd, CHES - Health Educator, WiCHD

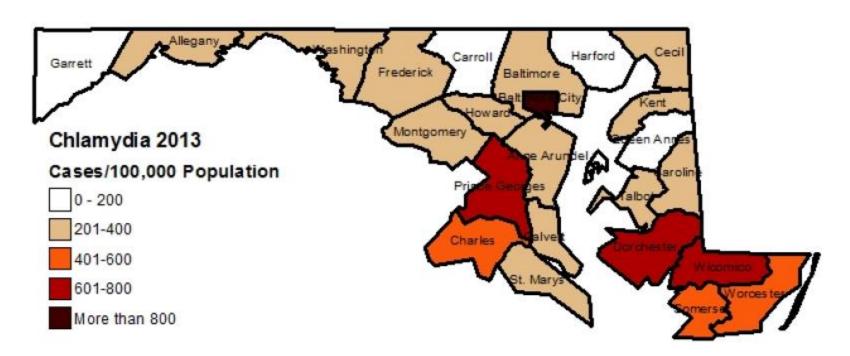
Erica Alessandrini, MSN, CRNP, FNP-BC, Doctoral candidate – Salisbury University Nursing Dept.

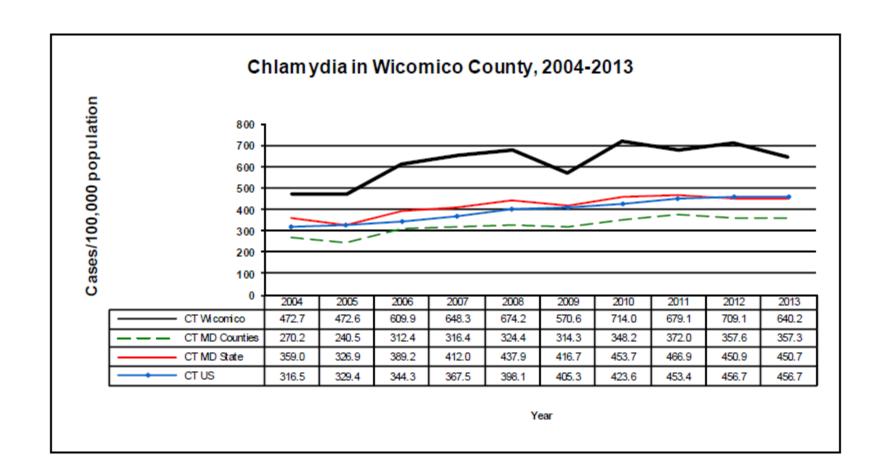
The Problem

 High rates of GC and Chlamydia, compared to rest of state, for many years

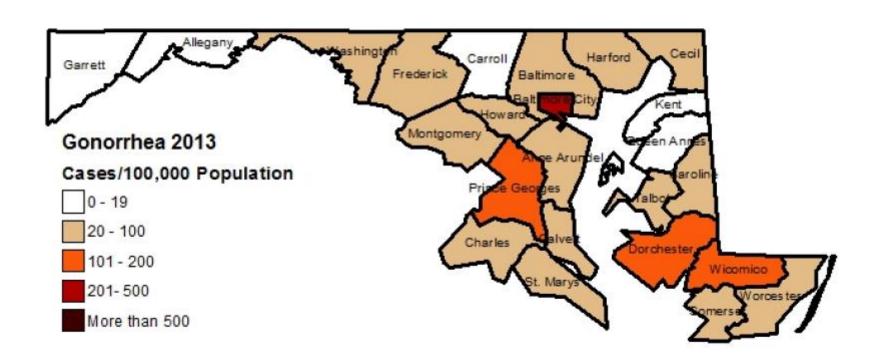
Syphilis and HIV - not so much

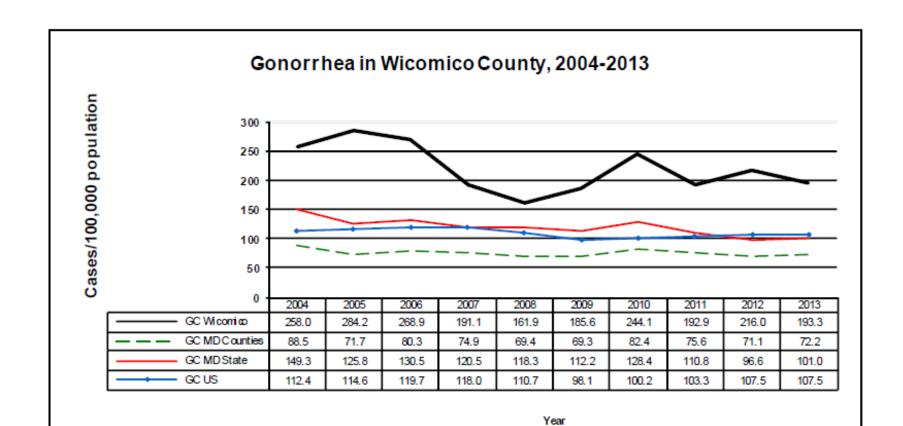
Chlamydia in Maryland, 2013 Incidence Rates by Jurisdictions





Gonorrhea in Maryland, 2013 Incidence Rates by Jurisdictions





STI task force members

- Board of Ed health personnel
- Local hospital: PRMC Infection control, ED
- Local colleges: SU, WorWic CC, UMES
- DIS present and past
- Prevention and Health Communications
- TLC, local FQHC; large Ob gyn, adult medicine, pediatrics practices
- NAACP

Why does Wicomico have a worse problem?

- Differential Diagnosis:
 - •We screen more aggressively?
 - •High college population c/w county pop?
 - •Local state prison effect?
 - •'Crossroads of Delmarva' lots of social issues related to traffic
 - Condom issues
 - Education issues conservative area



Oct., 2013

Vision - Wicomico County will have the lowest rate of STI's in the state.

Mission - The mission of the WiCo STI Task
 Force is to understand the multiple causes of
 our high STI rate; develop and implement
 effective interventions; periodically review
 relevant metrics and adjust interventions
 accordingly.

Possible Strategies

Education/awareness

How?

To whom?

- General public
- Board of Education
- Parents
- Students
- Young adults
- By risk factors

Promote condom use??

– Make free condoms more readily available at multiple venues?

Promote STI testing??

Promote effective contact tracing??

What actually occurred

- Created fact sheet, talking points
- HO presented to County Council
- Newspaper heard CC presentation, and did front page article
- Publicity buzz led to TV, radio interviews, and presentations to group
- Board of Ed interest
- Health promotions activity

HOME

NEWS

SPORTS

FEATURES

ENTERTAINMENT

BUSINESS

OPINION



Wicomico health officials sound alarm on

Jeremy Cox, DelmarvaNow

2:36 p.m. EDT June 3, 2014

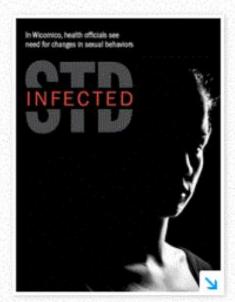












(Photo: Danielle Cherchio)

STORY HIGHLIGHTS

 Wicomico has the highest rates of chlamydia and gonorrhea in the state of















Wicomico County has the highest rates of chlamydia and gonorrhea of any Maryland county, and health officials say it's time for residents to own up to the troubling trend as a first step toward healthier sexual behaviors.

"Our goal is to induce leaders in the community and parents and kids to accept that this is our problem, and there are things that can be done about it without creating polarizing views," said Dr. James Cockey, deputy health officer for the Wicomico County Health Department.

Wicomico's stubbornly high sexually transmitted disease rates have puzzled health officials for years.





Maryland Youth Risk Behavior Survey, 2013

More buzz

http://www.wicomicohealth.org

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Wicomico County, MD High School Survey **Summary Tables - Weighted Data**

QN59: Percentage of students who ever had sexual intercourse

		Total				Male			Female		
		Percentage	95% confidence interval	N	Percentage	95% confidence interval	N	Percentage	95% confidence interval	N	
	Total	52.1	(48.3 - 55.8)	1,414	52.8	(48.4 - 57.2)	632	51.3	(46.8 - 55.8)	779	
Age											
	15 or younger	36.2	(31.8 - 40.9)	659	36.1	(29.8 - 42.9)	295	36.3	(31.5 - 41.3)	364	
	16 or 17	62.0	(57.3 - 66.5)	628	66.2	(59.5 - 72.3)	267	58.6	(53.1 - 63.9)	358	
	18 or older	66.5	(58.0 - 74.0)	124	-	-	68	-	-	56	
Grade											
	9th	35.4	(30.1 - 41.2)	460	37.0	(29.3 - 45.4)	197	34.0	(28.7 - 39.9)	263	
	10th	47.1	(41.1 - 53.3)	446	48.9	(41.9 - 56.0)	213	45.3	(38.2 - 52.5)	232	
	11th	63.3	(56.4 - 69.8)	237	-		89	59.4	(50.0 - 68.1)	147	
	12th	66.4	(60.4 - 71.9)	252	60.7	(53.2 - 67.8)	124	72.0	(63.1 - 79.5)	128	
Race/Et	thnicity										
	Black*	66.2	(60.9 - 71.2)	392	70.0	(62.4 - 76.6)	176	62.7	(56.0 - 69.0)	216	
	Hispanie/Latino	55.6	(45.0 - 65.7)	115	-	-	51	-	-	63	
	White*	45.5	(40.6 - 50.4)	665	43.1	(37.1 - 49.3)	295	47.6	(41.6 - 53.6)	370	
	All other races	23.8	(15.0 - 35.6)	100	-	-	47	-	-	53	
	Multiple races	-	-	94	-	-	40	-	-	52	

Note: 315 students were excluded from this analysis. *Non-Hispanic.

N = Number of students in this subgroup.
-= Fewer than 100 students in this subgroup.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Wicomico County, MD High School Survey Summary Tables - Weighted Data

QN61: Percentage of students who had sexual intercourse with four or more people during their life

		Total				Male			Female		
		Percentage	95% confidence interval	N	Percentage	95% confidence interval	N	Percentage	95% confidence interval	N	
	Total	20.8	(18.0 - 23.8)	1,416	24.7	(21.1 - 28.6)	628	17.2	(13.9 - 21.1)	784	
Age											
	15 or younger	13.0	(10.3 - 16.4)	659	17.3	(12.4 - 23.6)	291	8.9	(6.3 - 12.2)	367	
	16 or 17	24.0	(20.3 - 28.0)	630	29.3	(24.0 - 35.3)	267	19.7	(15.4 - 24.9)	360	
	18 or older	34.4	(25.7 - 44.3)	124	-	-	68	-	-	56	
Grade											
	9th	12.1	(9.2 - 15.8)	458	17.3	(12.2 - 23.9)	194	7.6	(5.0 - 11.3)	264	
	10th	17.9	(14.0 - 22.7)	450	22.6	(17.0 - 29.4)	216	13.1	(8.7 - 19.4)	232	
	11th	24.9	(18.9 - 32.0)	237	-	-	85	20.6	(14.1 - 29.0)	151	
	12th	29.1	(22.5 - 36.8)	252	28.2	(20.8 - 36.9)	124	30.1	(20.9 - 41.1)	128	
Race/E	thnicity										
	Black*	32.3	(27.1 - 38.0)	388	39.0	(31.7 - 46.8)	173	26.1	(19.5 - 34.2)	215	
	Hispanie/Latino	26.7	(18.9 - 36.2)	116	-	-	51	-	-	64	
	White*	13.3	(10.6 - 16.6)	668	13.6	(9.7 - 18.7)	296	13.1	(9.5 - 17.6)	372	
	All other races	-	-	99	-	-	46	-	-	53	
	Multiple races	-	-	97	-	-	40	-	-	55	

Note: 313 students were excluded from this analysis.

^{*}Non-Hispanic.

N = Number of students in this subgroup.
-= Fewer than 100 students in this subgroup.

2013 YOUTH RISK BEHAVIOR SURVEY RESULTS

Wicomico County, MD High School Survey **Summary Tables - Weighted Data**

QN60: Percentage of students who had sexual intercourse for the first time before age 13 years

		Total				Male			Female		
		Percentage	95% confidence interval	N	Percentage	95% confidence interval	N	Percentage	95% confidence interval	N	
	Total	12.1	(10.0 - 14.5)	1,411	17.4	(14.0 - 21.4)	627	7.2	(5.4 - 9.6)	779	
Age											
	15 or younger	11.6	(9.1 - 14.7)	656	17.0	(12.8 - 22.2)	292	6.5	(4.5 - 9.3)	362	
	16 or 17	11.9	(9.0 - 15.6)	630	19.2	(14.1 - 25.6)	266	6.0	(3.6 - 9.8)	361	
	18 or older	15.0	(9.4 - 23.2)	122	-	-	67	-	-	55	
Grade											
	9th	13.2	(9.5 - 17.9)	459	18.2	(12.5 - 25.7)	197	8.6	(5.8 - 12.6)	262	
	10th	10.8	(7.9 - 14.8)	450	17.4	(12.3 - 24.2)	216	4.1	(1.8 - 8.7)	231	
	11th	10.7	(6.9 - 16.3)	235	-	-	85	5.7	(2.7 - 11.6)	149	
	12th	11.4	(7.4 - 17.0)	248	14.2	(8.8 - 21.9)	121	8.7	(4.5 - 15.9)	127	
Race/E	thnicity										
	Black*	19.2	(14.8 - 24.4)	388	29.3	(21.9 - 38.0)	172	10.0	(6.2 - 15.7)	216	
	Hispanie/Latino	14.7	(9.0 - 23.2)	114	-	-	51	-	-	62	
	White*	6.8	(5.0 - 9.2)	665	9.1	(6.2 - 13.2)	295	4.8	(2.9 - 7.8)	370	
	All other races	-	-	99	-	-	46	-	-	53	
	Multiple races	-	-	94	-	-	40	-	-	52	

Note: 318 students were excluded from this analysis.

^{*}Non-Hispanic. N = Number of students in this subgroup.

^{- =} Fewer than 100 students in this subgroup.

What we did

Chavonda Erica

Outcomes

2012-2013

Wicomico

CT 8.0% decline

GC - 7.4 % decline

Statewide counties

CT up 1.3%

GC up 3.1%

2013-2014

Wicomico

CT - 11.4% decline GC - 4.1% decline

Statewide counties

CT – up 5.8%

GC – up 2.1%

Mission - The mission of the WiCo STI Task Force is to:

- 1)understand the multiple causes of our high STI rate;
- 2)develop and implement effective interventions;
 - 3)periodically review relevant metrics and
- 4) adjust interventions accordingly.

Lessons learned

- Limited value of evidence based practices??
- The value of buzz
- Condom utility may be maxed out??
- Collaboration with community partners
 - Community partners buy-in



buzz matters!!

- Board of Ed
 - Humility
 - Pick your targets
 - Don't pick fights
- The value of luck, statistical variation

Wicomico STI Task Force members

- WiCo BoE Diane Pellegrino, RN; Michael Charlton
- PRMC Karen Mihalik, RN; Sarah Arnett, RN
- TLCCS Jeannette Taylor, RN; Denise Heil, RN
- Tanya Selby, DHMH; DIS; Beebe Triplett, DIS (ret.)
- WiCHD Lisa Anderson, RN; Olivia Butler, RN; Cindy Shifler; Kelli Michaud, RN, Chavonda Carr, CHES, Brian Polk, BA, J. A. Cockey, MD
- SU Victoria Lentz, CRNP; Dr. Brandye Nobiling, PhD; Mandy Clark, CRNP
- WorWic CC Teresa Tyndall, Penny Twilley, RN
- UMES Student Health Sue Carter, CRNP
- NAACP Mary Ashanti, Martha Maddox
- Erin Failev, PA